



Ab Initio Pilot Training today – and in the future

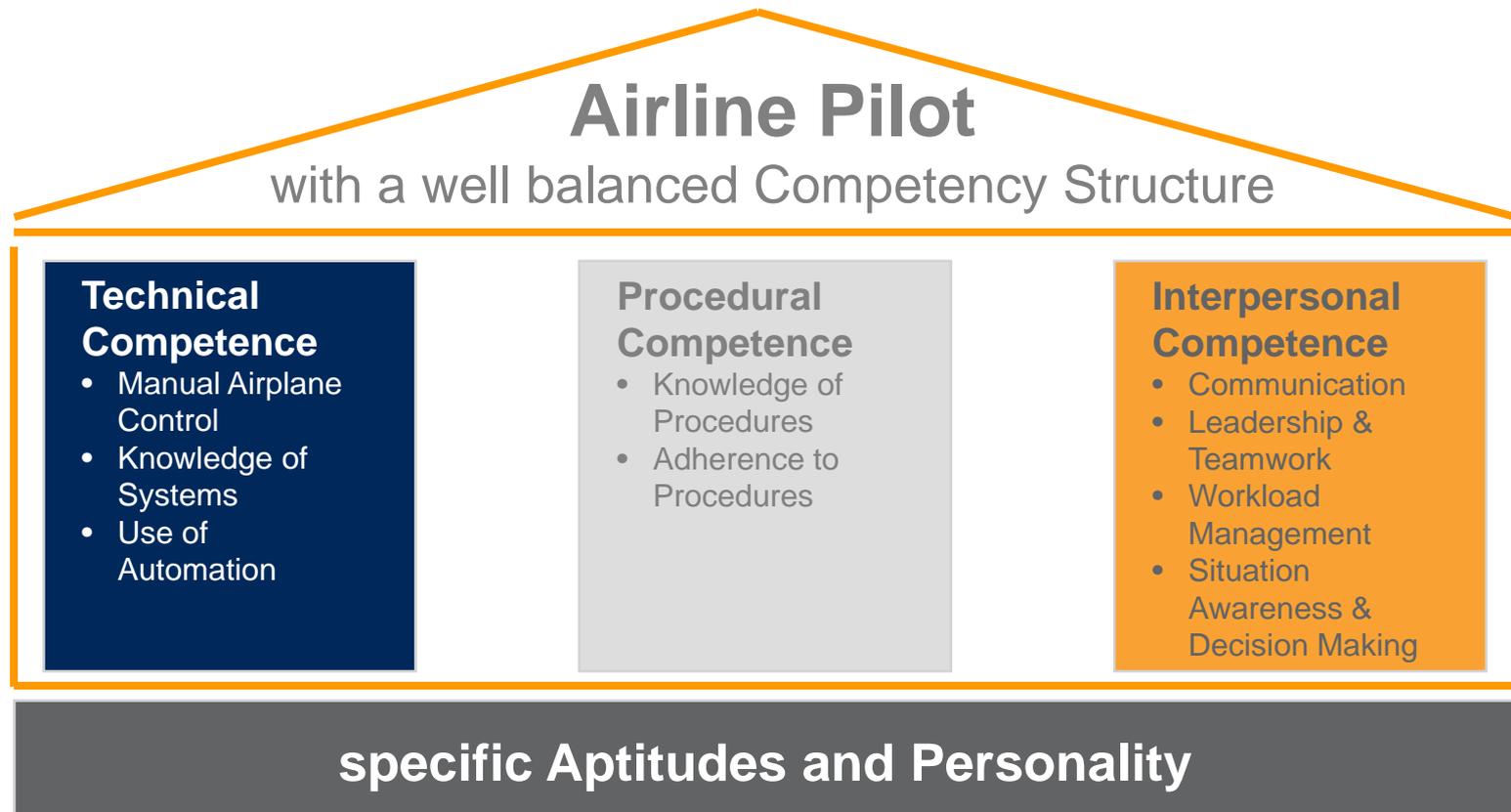
Capt Matthias Kippenberg, Airline Training Center Arizona, Inc.
NTSB Safety Forum on Professionalism in Aviation, 18-20 May 2010

Agenda

- > **The Professional Airline Pilot**
- > **Ab Initio Pilot Training today**
- > **Ab Initio Pilot Training in the Future**
 - **Selection**
 - **MPL**
- > **Conclusion**

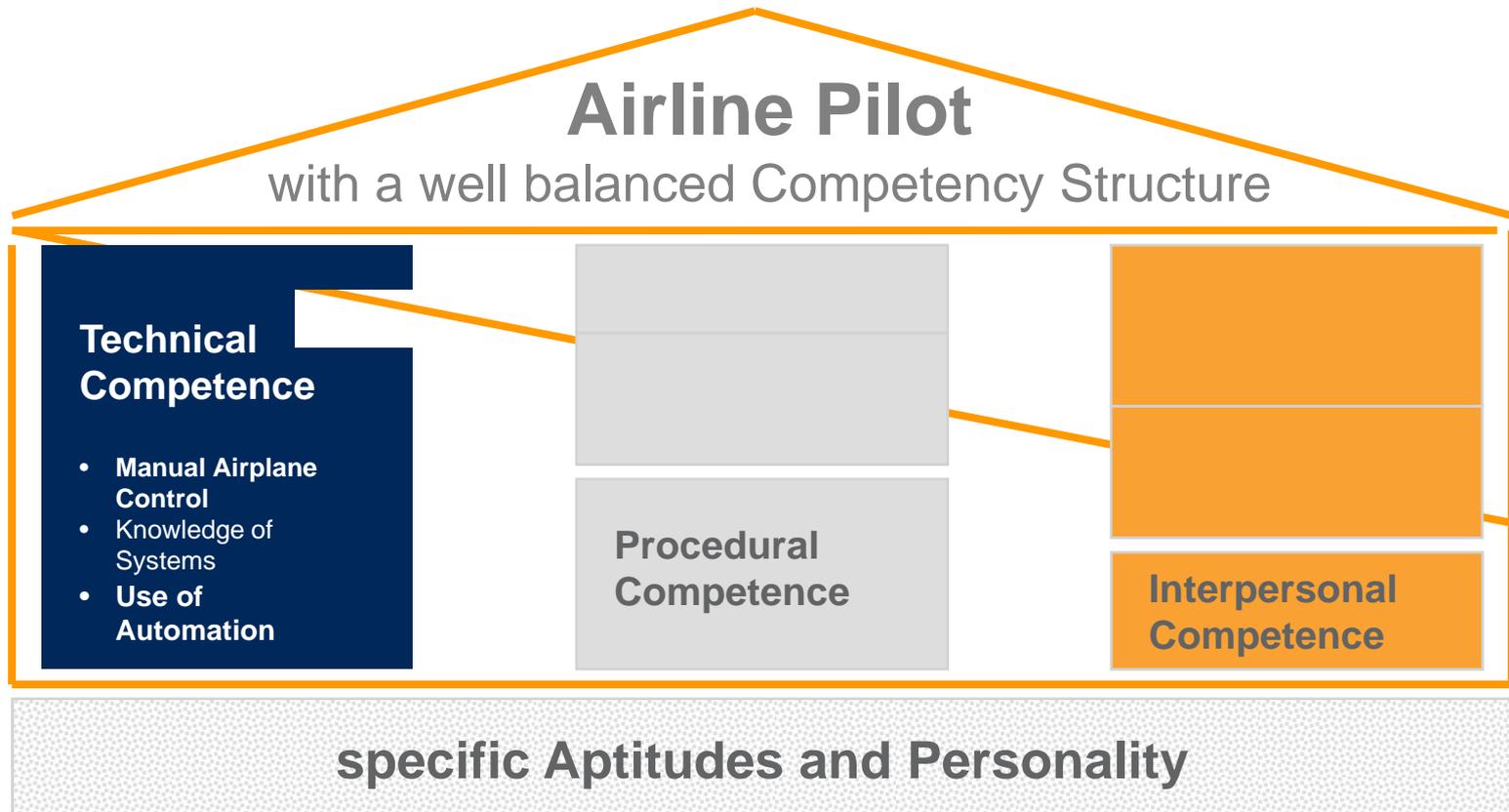


The Professional Airline Pilot



Ab Initio Training today

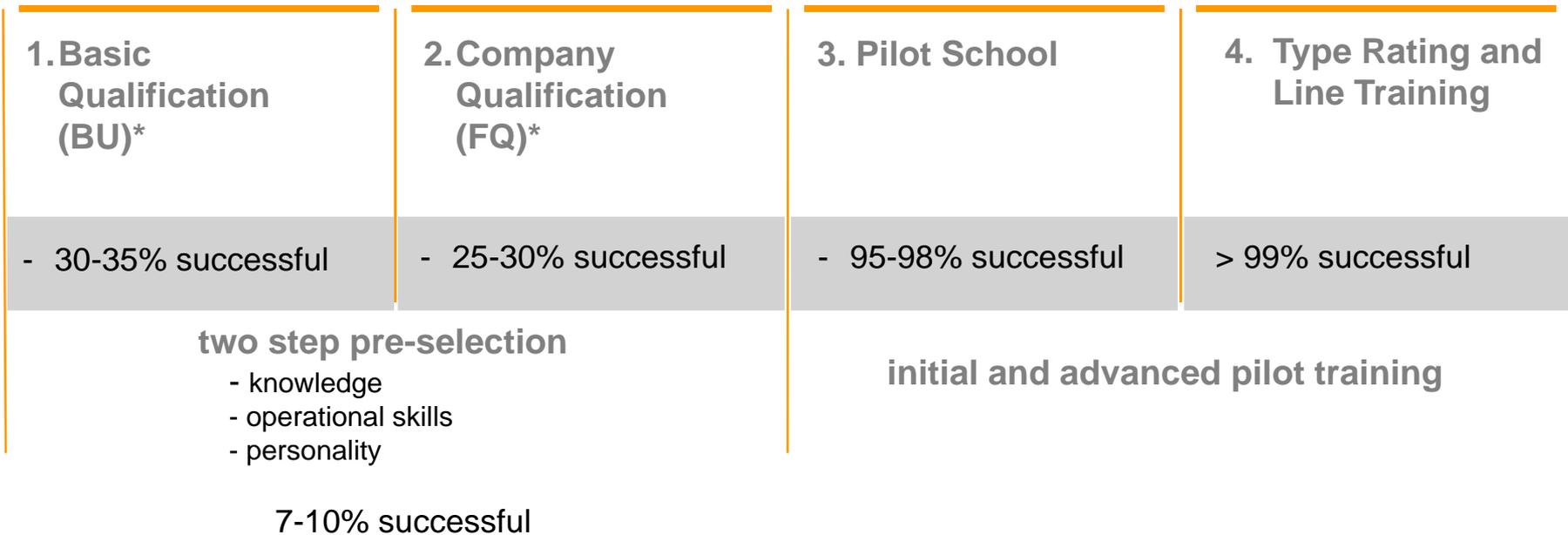
Type
Rating &
Line Trng
*Bridge
Course*
MCC
CPL/IR
Selection



Ab Initio Training in the Future

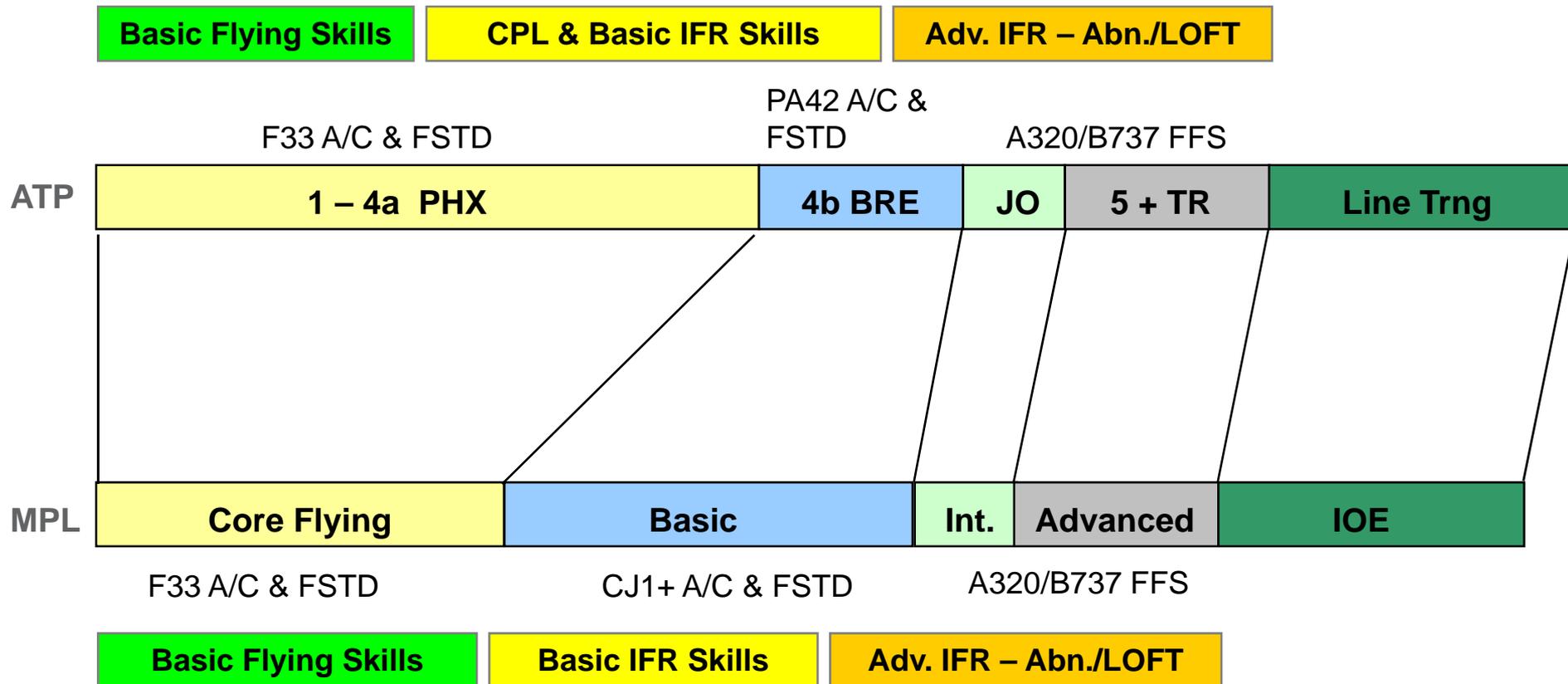
- > mandatory and balanced Training of **all** competence areas
- > at the **earliest possible stage**
- > with an **effective and economic** use of training equipment
- > based on a **stringent selection**

The Lufthansa Selection Process



* In cooperation with German Aerospace Centre (DLR)

Evolutionary Step from traditional ATP to MPL



MPL Training Program

1. Theoretical Training Bremen >	2. Flight Training Phoenix (Core Phase 1-4) >	3. Flight Training Bremen (Basic Phase 1-3) >	4. Flight Training Frankfurt/München (Intermediate and Advanced Phase)
<ul style="list-style-type: none"> - 11.5 months - total 888 hrs 	<ul style="list-style-type: none"> - 4 months - F33 FSTD und F33 Aircraft - total 114:30 hrs incl 2:50 hrs Upset Trng 	<ul style="list-style-type: none"> - 3.5 months - CJ1+ FSTD und CJ1+ Aircraft - total 135:00 hrs 	<ul style="list-style-type: none"> - 3 months B737 / A320 FSTD - B737 / A320 Aircraft - total 88:00 hrs



Initial Operator Experience (IOE)

Additional CM	Familiarization	CM 2	Proficiency	Final Check
10 sectors min ~ 15 hrs	15 sectors min ~ 23 hrs	25 sectors min ~ 38 hrs	30 sectors min ~ 45 hrs	10 sectors min ~ 15 hrs



Looked in Cockpit area Lufthansa Boeing 737
Photo: Steffen Rieger, Lufthansa © 19.10.11
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Lufthansa Airbus A320-200, 2008
Photo: Gerd Reuschel, Lufthansa © 19.10.11
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Lufthansa Flight Attendants
Photo: Gerd Reuschel, Lufthansa © 19.10.11
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Lufthansa Boeing 737-800
Photo: Steffen Rieger, Lufthansa © 19.10.11
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Pilot and Captain in Cockpit area Lufthansa Boeing 737
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Conclusion

The highest level of Safety Standards and Professionalism in Airline Pilot Training can be achieved by:

- A **stringent Selection** to retain students with defined **Aptitudes and Personality** as a solid basis for comprehensive and ambitious Ab Initio Pilot Training
- A **well balanced Training** of all **Competence Areas** (Technical, Procedural and Interpersonal) – which could be accomplished in the earliest stages of training and in the most effective way in an **MPL Training Scheme**



Thanks for your attention !